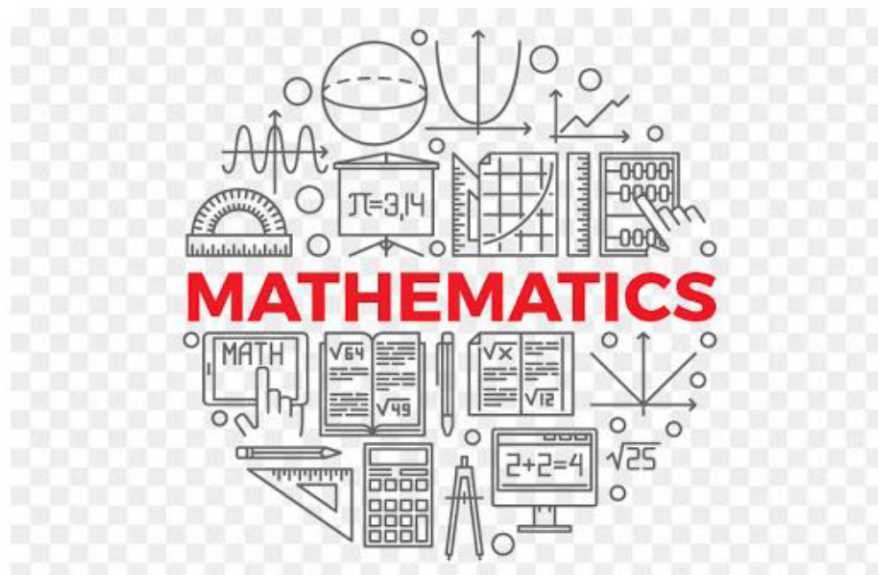


## 2020-2021

# MATH



# Chapter 1

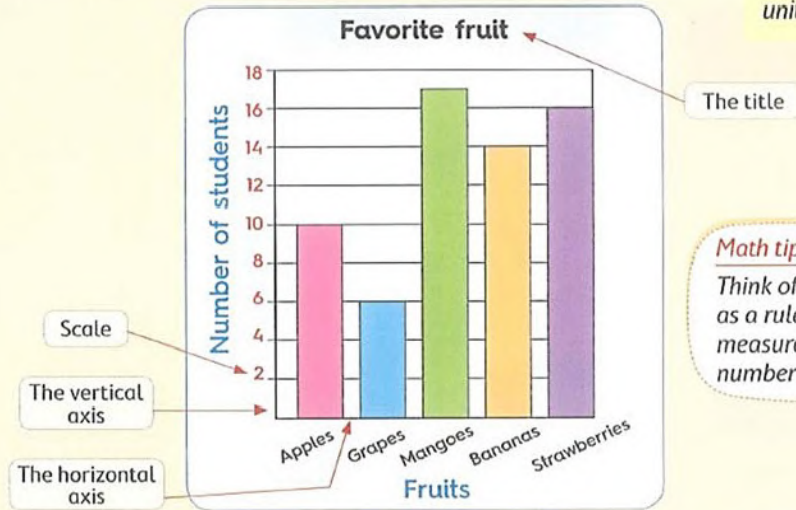
## Remember Reading bar graph

- Some students voted for their favorite fruit.
- The results are shown on this **bar graph**.

### Vocabulary

**Bar graph**  
A graph that uses bars to show data.

**Scale**  
The numbers that show the units used on a bar graph.



### Math tip

Think of each bar as a ruler that measures the number of votes.



## Remember Pictographs























- A **Pictograph** is another way to show data.
- Symbols on a pictograph can show any number.
- The **Key** shows what each symbol means.
- Wael and Mariam each used a different key to show the same data.

### Vocabulary

**Pictograph**  
A graph that uses pictures to show data.











**Key**  
The key tells how many each picture represents


### Wael's Way

Sports we like to watch	
Football	       
Basketball	        20
Tennis	  10
Handball	    15

Key  = 5 votes

### Mariam's Way

Sports we like to watch	
Football	   
Basketball	   20
Tennis	 10
Handball	  15

Key  = 10 votes



## Learn Tally marks

- Bassem tossed a coin 10 times.

His friend Marwan showed his results with tally marks.



It was head  
4 times.

It was tail  
6 times.

### Vocabulary

Tally mark  
a mark is used to record  
votes or other items.

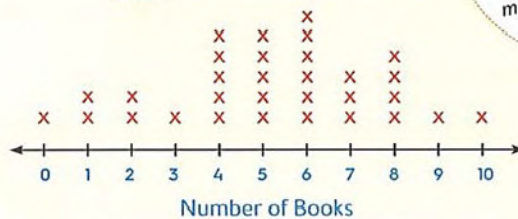
## Learn

### Vocabulary

Line plot



Books Read This Month



**Key** Each X on the line plot stands for one book

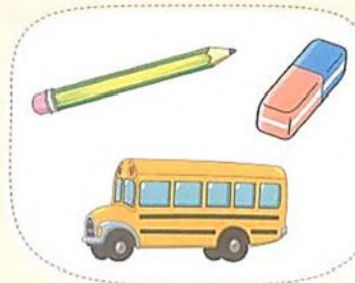
A line plot shows how  
many times something  
happened.



- How many children read 7 books? 3 children.

## Learn Centimeter and meter

- Centimeter (cm) is used to measure short lengths as : pencils, books and erasers.
- Meter (m) is used to measure distances and longer lengths as : buildings and buses.



**Remember**

1 m = 100 cm

## Learn Millimeter

- A millimeter (mm) is a very small standard unit of measuring length.  
It is used to measure the length of a very small object as the length of an insect.
- A millimeter is about the width of the point of the end of your pencil or the thickness of 10 sheets of paper stacked together.

The length of this bee  
is about 5 mm



1 mm

5 mm

1 mm



## Chapter 2

### Learn Place value

**How do you write and read 4-digit numbers ?**

Place value chart :

Thousands	Hundreds	Tens	Ones
2	4	3	9
2 thousands 2,000	4 hundreds 400	3 tens 30	9 ones 9

#### Vocabulary

Place value  
the value given to  
a digit depends on its  
place in a number.

Place value mat :

Thousands	Hundreds	Tens	Ones

#### Math tip

The expanded form  
is adding the value  
of each digit in the  
number

Standard form : 2, 4 3 9

Expanded form : 2,000 + 400 + 30 + 9

Word form : Two thousand, four hundred thirty-nine



### Learn Greatest and least 4-digit number

**Create the greatest and the least 4-digit number.**



The digits are 4, 5, 9, 1

To create the greatest 4-digit  
number from given digits, arrange  
the digits from greatest to least.

The order is : 9 5 4 1

So, the greatest number is : 9,541

To create the least 4-digit number  
from given digits, arrange the digits  
from least to greatest.

The order is : 1 4 5 9

So, the least number is : 1,459



## Learn 5-digit and 6-digit numbers

How do you write and read 6-digit numbers ?

Place value chart :



265,814					
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
2	6	5	8	1	4
2 hundred thousands 200,000	6 ten thousands 60,000	5 thousands 5,000	8 hundreds 800	1 ten 10	4 ones 4

Standard form : 2 6 5 , 8 1 4

Expanded form : 200,000 + 60,000 + 5,000 + 800 + 10 + 4

Word form : Two hundred sixty-five thousand, eight hundred fourteen

## Learn Repeated addition to find the total number of array

How to find the total number of objects using repeated addition?

This array has  
4 rows of 5 faces.

This array has  
5 columns of 4 faces.



Number of rows = 4

Number of faces in each row = 5

Total number of faces =

$$5 + 5 + 5 + 5 = 20$$



Number of columns = 5

Number of faces in each column = 4

Total number of faces =

$$4 + 4 + 4 + 4 + 4 = 20$$

**Notice**  
Both ways get  
the same total.

**Practice**

## Learn Multiplication as repeated addition

### Vocabulary

**Factor**  
one of the numbers multiplied.

**Product**  
the number obtained when multiplying.

- There are 3 equal groups of 5 flowers



- You can use repeated addition to find the total.

$$5 + 5 + 5 = 15 \text{ Addition sentence}$$

- When you put together equal groups, you can also use multiplication

What you write :

3	×	5	=	15	Multiplication sentence
↓	↓	↓		↓	
Factor	Multiplication symbol	Factor		Product	

What you say : 3 times 5 equals 15

- Multiplication tells us how many times we need to add a number to get the total.

## Learn How does an array show multiplication ?

- An array shows objects in equal rows.

This array shows 3 rows of 4 cupcakes

To find the total number of cupcakes, you can add or multiply.



4 in each row

Add :  $4 + 4 + 4 = 12$

Multiply :  $3 \times 4 = 12$

→ product "total"

→ Number in each row

→ Number of rows

Say : 3 times 4 equals 12



## Chapter 3

### Learn

### Multiples of 3

- Using a 120 chart, skip count by 3 when 3 is a factor and shade in the numbers you land on.

**For example :** To find  $8 \times 3$

Start at 3 and shade 8 boxes. You can shade each box you land on to see pattern, you will land on 24.

$$\begin{array}{ccccccc} \text{So,} & 8 & \times & 3 & = & 24 \\ \uparrow & & \uparrow & & \uparrow & & \\ \text{Factor} & & \text{Factor} & & \text{Product} & & \end{array}$$

Start

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

- The rule applies for all time tables.

### Learn

### Multiplying by 1 and 0

- Ahmed has 5 baskets.  
There is 1 orange in each basket.  
How many oranges are there in all ?



$$5 \times 1 = 5 \text{ oranges}$$

Any number multiplied by 1 equals the same number.

- Rasha has 3 baskets.  
There is 0 oranges in each basket.  
How many oranges are there in all ?



$$3 \times 0 = 0 \text{ oranges}$$

Any number multiplied by 0 equals 0.



## Learn

### Common multiples of 2 and 3

- Use a 120 chart.
- Skip count by 2 to find multiples of 2 up to 60. Shade each multiple of 2 red.
- Skip count by 3 to find multiples of 3 up to 60. Shade each multiple of 3 blue.



Which numbers are shaded twice?

1	<del>2</del>	<del>3</del>	<del>4</del>	5	<del>6</del>	7	<del>8</del>	<del>9</del>	<del>10</del>
11	<del>12</del>	13	<del>14</del>	<del>15</del>	<del>16</del>	17	<del>18</del>	19	<del>20</del>
<del>21</del>	<del>22</del>	23	<del>24</del>	25	<del>26</del>	<del>27</del>	<del>28</del>	29	<del>30</del>
31	<del>32</del>	<del>33</del>	<del>34</del>	35	<del>36</del>	37	<del>38</del>	<del>39</del>	<del>40</del>
41	<del>42</del>	43	<del>44</del>	<del>45</del>	<del>46</del>	47	<del>48</del>	49	<del>50</del>
<del>51</del>	<del>52</del>	53	<del>54</del>	55	<del>56</del>	<del>57</del>	<del>58</del>	59	<del>60</del>
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

- The numbers are 6, 12, 18, 24, 30, 36, 42, 48, 54, 60

These numbers are common multiples of 2 and 3 up to 60

What do you notice about these numbers?



- The numbers are increasing in the same pattern, its rule is  $+ 6$

So, you can predict the next common multiple

$$60 + 6 = 66$$

Factor pairs

$$3 \times 2 = 6$$

$$2 \times 3 = 6$$

Factor pairs

$$6 \times 1 = 6$$

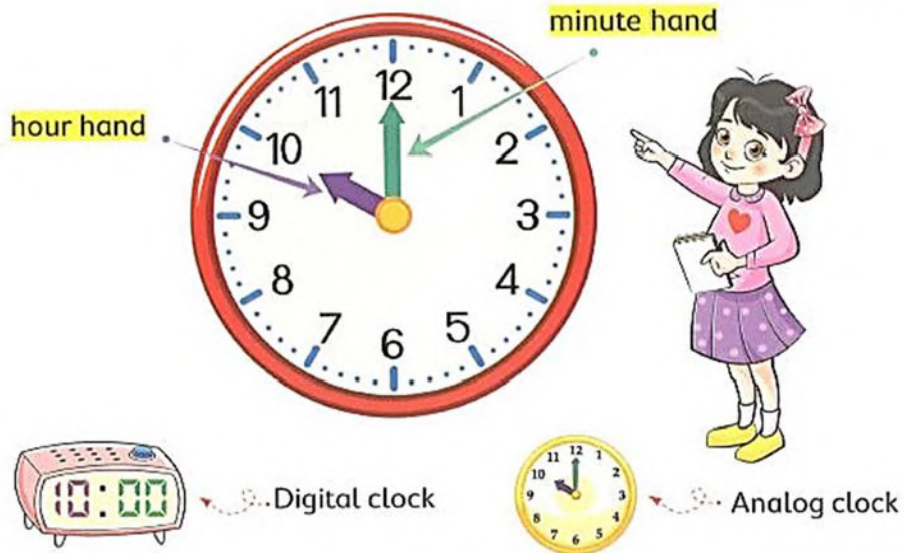
$$1 \times 6 = 6$$

Factors of 6 are: 3, 2, 1, 6



## Pre-study

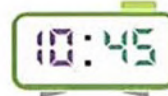
There are 60 minutes in 1 hour.



It is quarter past 10



It is half past 10



It is quarter to 11

## Learn Time to 5 minutes

It takes 5 minutes for the minute hand to move from one number to the next number on a clock face.

The time is 8:20



**Math tip**  
Skip count by fives  
5, 10, 15, 20  
(multiples of 5).  
You count 4 times.



Where does the minute hand point at 8:20? The minute hand points at the 4

## Learn Elapsed time

Rasha started reading at 9:00

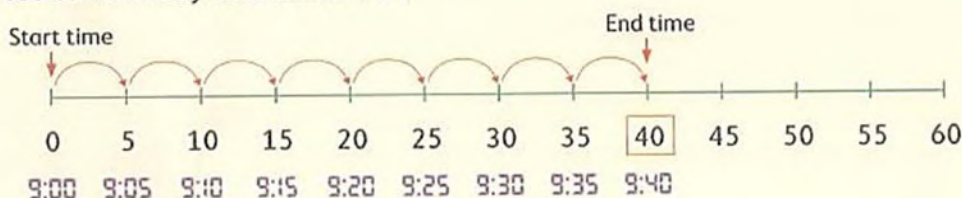
She finished reading at 9:40

For how long did she read ?



She read for 40 minutes.

You can count by fives as follows :



The elapsed time from 9:00 to 9:40 is 40 minutes.

## Learn Division

### Vocabulary

**Divide**  
Separate some things  
in equal groups.



To share things equally,  
you can **divide**.

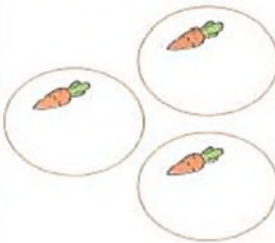
- Hend has 6 carrots to feed the rabbits.
- There are 3 rabbits.
- How many carrots does each rabbit get ?



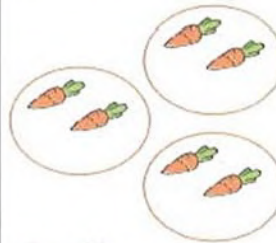
Make 3 groups.



Draw **one** carrot in  
each group



Draw **another** carrot  
in each group.



2 carrots in each group.

**So**, each rabbit gets 2 carrots.

- The following model is called a **part - part - whole** to represent the sharing problem (Division).



## Learn Division symbol

- There are 12 sweets.
- You want to divide them among 3 groups and find the sweets number in each group.



- There are 4 sweets in each group.
- When you divided them in equal groups, you can express it by the division sentence.

What you say : 12 divided by 3 equals 4

What you write :

$$12 \div 3 = 4$$

↓
↓

Division symbol
Quotient

### Vocabulary

**Quotient**  
The answer to the division problem.



This is a division sentence

## Learn Relation between multiplication and division

- Nader drew 12 ✓s in two ways.
- He wrote two multiplication sentences about his picture.

$$3 \times 4 = 12 \quad \text{"Think: 3 groups of 4 is 12"}$$

$$4 \times 3 = 12 \quad \text{"Think: 4 groups of 3 is 12"}$$

- He can also write two division sentences about his picture.

$$12 \div 3 = 4 \quad \text{"Think: 12 divided into 3 groups of 4"}$$

$$12 \div 4 = 3 \quad \text{"Think: 12 divided into 4 groups of 3"}$$

- These four number sentences form a **fact family** of the numbers 3, 4 and 12.

### Vocabulary

**Fact family**  
It is a set of related multiplication and division number sentences.



$$3 \times 4 = 12$$



$$4 \times 3 = 12$$

## Chapter 4

### Learn

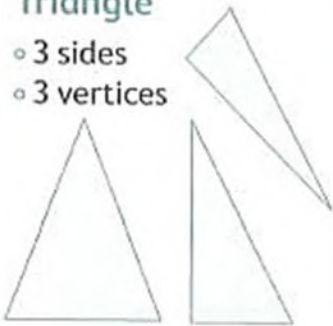
### Polygons

- Polygons are closed two-dimensional figures.
- Each figure has a specific name but it is also a part of a larger category called polygons.

Examples for polygons :

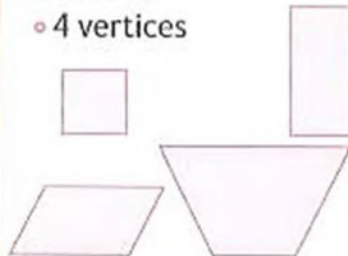
#### Triangle

- 3 sides
- 3 vertices



#### Quadrilateral

- 4 sides
- 4 vertices



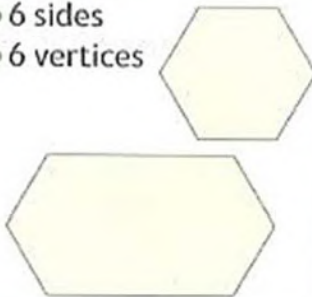
#### Pentagon

- 5 sides
- 5 vertices



#### Hexagon

- 6 sides
- 6 vertices



#### Octagon

- 8 sides
- 8 vertices



Polygons does not have gaps or curves



**Note :** The number of sides = the number of vertices.

#### Vocabulary

A **polygon** is a closed figure with straight sides.

**Closed figure** is a shape does not have any gaps between the lines that make it.



## Learn

## Quadrilaterals

- **Quadrilaterals** are polygons with 4 straight sides and 4 vertices.

### Examples for quadrilaterals



#### Square

- 2 pairs of parallel sides
- 4 equal sides
- 4 vertices



#### Rectangle

- 2 pairs of parallel sides
- 2 pairs of equal sides
- 4 vertices



#### Parallelogram

- 2 pairs of parallel sides
- 2 pairs of equal sides
- 4 vertices



#### Rhombus

- 2 pairs of parallel sides
- 4 equal sides
- 4 vertices



#### Trapezium

- exactly 1 pair of parallel sides
- lengths of sides may not be the same
- 4 vertices

All quadrilaterals are polygons



### Quadrilateral has :

- 4 sides
- 4 vertices

## Learn

### Area

- You can count or multiply **square units** to find **area**.



#### Count units

To find area of a rectangle, count the squares inside the rectangle.

Area = 12 square units

1	2	3
4	5	6
7	8	9
10	11	12

#### Multiply units

To find area of rectangle, multiply the number of rows by the number in each row.

$$\begin{array}{ccc} \text{number} & \text{number in} & \\ \text{of rows} & \text{each row} & \\ \downarrow & \downarrow & \\ 4 & \times 3 & = 12 \text{ square units} \end{array}$$

#### Vocabulary

**Area** is the number of square units needed to cover the surface of a figure.

A **square unit** is a square with a side length of 1 unit and it is the unit used to measure area.



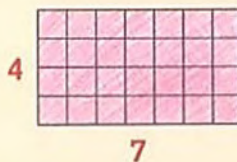
## Learn

### Distributive property

- To find how many squares in big arrays as the following array :

Multiply the number of rows by the number in each row.

$$\begin{array}{ccc} 4 & \times & 7 \\ \text{rows} & \times & \text{in each row} \\ \hline & & \text{Total} \end{array} = 28$$



#### Vocabulary

**Distributive property** tells us we can divide (break apart) a multiplication problem into two or more smaller problems, add together their products, and get the final answer.

#### Another way using distributive property :

Break apart an array into two smaller arrays and add the products of the two arrays.  
(There are more than one correct way to break apart an array).

$$\begin{array}{ccc} \begin{array}{|c|c|} \hline 4 & 4 \\ \hline \end{array} & \begin{array}{|c|c|} \hline 2 & 5 \\ \hline \end{array} & \\ \hline \begin{array}{l} 4 \text{ rows of } 2 \\ \frac{4}{\text{rows}} \times \frac{2}{\text{in each row}} = 8 \end{array} & \begin{array}{l} 4 \text{ rows of } 5 \\ \frac{4}{\text{rows}} \times \frac{5}{\text{in each row}} = 20 \end{array} & \\ \hline 8 + 20 = 28 & & \end{array}$$

From above :

$$4 \times 7 = (4 \times 2) + (4 \times 5)$$

$$\begin{array}{ccc} \begin{array}{|c|c|} \hline 4 & 4 \\ \hline \end{array} & \begin{array}{|c|c|} \hline 3 & 4 \\ \hline \end{array} & \\ \hline \begin{array}{l} 4 \text{ rows of } 3 \\ \frac{4}{\text{rows}} \times \frac{3}{\text{in each row}} = 12 \end{array} & \begin{array}{l} 4 \text{ rows of } 4 \\ \frac{4}{\text{rows}} \times \frac{4}{\text{in each row}} = 16 \end{array} & \\ \hline 12 + 16 = 28 & & \end{array}$$

$$4 \times 7 = (4 \times 3) + (4 \times 4)$$



## Chapter 5

### Learn

### Perimeter



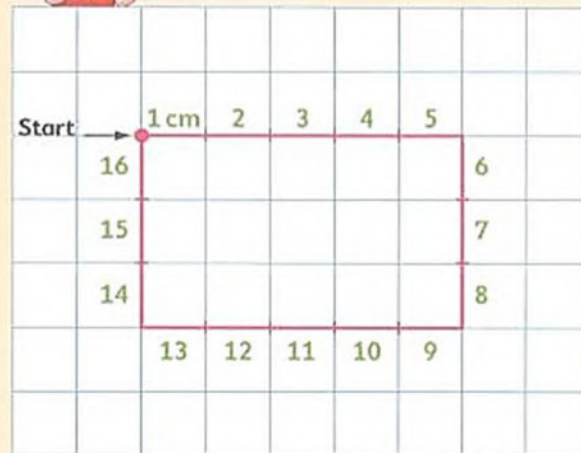
#### Vocabulary

#### Perimeter

Distance around a figure or a polygon.

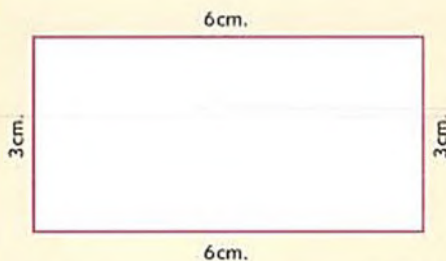
- You can use grid paper to find the distance around a figure.
- The distance around a polygon is called the **perimeter**.
- Count the units along the outside of the rectangle.

The perimeter = **16 cm**



### Learn

### Perimeter of a polygon

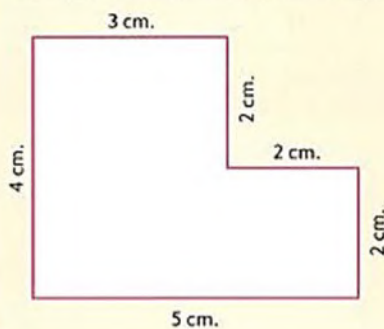


$$\text{Perimeter} = 6 + 3 + 6 + 3 = 18 \text{ cm}$$

The distance around a figure or a polygon is its perimeter.



$$\text{Perimeter} = 3 + 4 + 5 = 12 \text{ cm}$$



$$\text{Perimeter} = 3 + 2 + 2 + 2 + 5 + 4 = 18 \text{ cm}$$

## Learn

### Area of rectangle given its dimensions

Instead of counting square units, you can use a formula to find the area of rectangle.



#### For example :

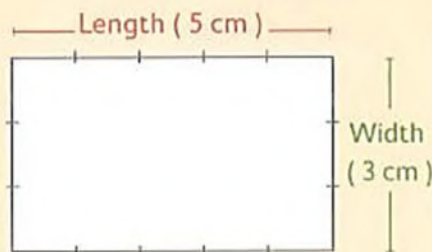
The dimensions of the rectangle are 5 cm (Length) and 3 cm (Width)

$$\text{Area} = \text{Length} \times \text{Width}$$

Formula of area of a rectangle

$$= 5 \times 3$$

$$= 15 \text{ square centimeters}$$



## Learn

### Multiplying by multiples of 10

#### How to find the product of $3 \times 40$ .

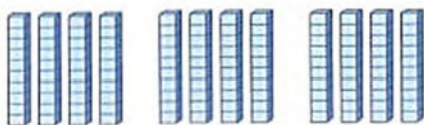
It is easy to multiply whole numbers by multiples of 10 using the following strategies.

Notice that  
 $3 \times 4 = 12$   
is a multiplication fact



#### First strategy

Draw place value blocks which represent 3 groups of 40



3 groups of 40

$$3 \times 4 \text{ tens} = 120$$

$$3 \times 40 = 120$$

#### Math tip

You can count by 10s to find the product.



#### Second strategy

Break apart the multiples of 10 as two factors (the number  $\times 10$ )

$$\text{then } 40 = 4 \times 10$$

$$\text{So, } 3 \times 40 = (3 \times 4) \times 10 \\ = 12 \times 10 = 120$$

#### Math tip

You can multiply  
 $3 \times 4 = 12$   
and put the zero at the end "120"





## Learn

## Chapter 6

- Here are some addition and multiplication facts will help you to solve addition and multiplication problems.

### Adding to zero

The sum of zero and any number is that number.

Example :  $0 + 3 = 3$

### Multiplying by zero

The product of zero and any number is zero.

Example :  $0 \times 3 = 0$

### Adding to 1

The sum of 1 and any number is the number which just comes after.

Example :  $1 + 3 = 4$

### Multiplying by 1

The product of 1 and any number is that number.

Example :  $1 \times 3 = 3$

### Adding in any order

Addends can be added in any order and the sum does not change.

Example :  $3 + 2 = 5$   
 $2 + 3 = 5$

### Multiplying in any order

Factors can be multiplied in any order and the product does not change.

Example :  $3 \times 2 = 6$   
 $2 \times 3 = 6$

### Doubling numbers

Adding the same number twice is doubling it (multiplying by 2).

Example :  $3 + 3 = 2 \times 3$   
 $6 = 6$

### Multiplying big numbers

Break apart big numbers into two smaller numbers.

Example :  $6 \times 7$   
 $= (6 \times 5) + (6 \times 2)$   
 $= 30 + 12$   
 $= 42$



## Learn

Multiplication facts and place value patterns can help you multiply.

### For example :

If you know  $2 \times 4 = 8$ , then you can use mental math to find  $2 \times 40$ ,  $2 \times 400$  and  $2 \times 4,000$

$2 \times 4 = 8$  ← multiplication fact

$2 \times 40 = 80$

$2 \times 400 = 800$

$2 \times 4,000 = 8,000$

### Math tip

As the numbers of zeroes in the factor increases, the number of zeroes in the product increases.



## Learn

Youssef has 237 blocks, Maged has 148 blocks.

How many blocks do they have all together ?



Look for keyword to solve.

All together



Decide if you add or subtract.

Add

Subtract



Solve the problem.

①

The number of all blocks =  $237 + 148$   
= 385 blocks.



- Look for
- Decide
- Solve



Hint :

Some keywords of addition :

- total
- all together
- sum
- in all
- and
- add
- join

The school library had 3,640 books for rent.

During one week 1,280 of them were rented.

How many books were left ?



Look for keyword to solve.

Left



Decide if you add or subtract.

Add

Subtract



Solve the problem.

514

The left books =  $3,640 - 1,280$   
= 2,360 books.



- Look for
- Decide
- Solve



Hint :

Some keywords of subtraction :

- left
- how many more?
- how many less?
- take away
- remain
- difference
- subtract

## Learn Capacity

- Capacity is the amount of liquid a container can hold.

- Units of capacity are :

a liter (L) used to measure large amounts and

a milliliter (mL) used to measure small amounts.

For example :

This water bottle holds 1 liter.



A dropper holds about 1 milliliter.



- There are 1,000 milliliters in 1 liter.

1 liter (L) = 1,000 milliliters (mL)

So, 2 L = 2,000 mL , 3 L = 3,000 mL , ...

### Vocabulary

Liquid is that can take the shape of their containers.






## Questions

### Complete each of the following:

- 1)  $45 \div \underline{\hspace{2cm}} = 5$
- 2)  $6005 + 550 = \underline{\hspace{2cm}}$  (our sons abroad 2019)
- 3)  $3,640 - 1,270 = \underline{\hspace{2cm}}$
- 4) The biggest number which is formed from the digits 9, 8, 0, 5 and 4 is  $\underline{\hspace{2cm}}$  (our sons abroad 2019)
- 5) How many vertices are in a parallelogram?  $\underline{\hspace{2cm}}$
- 6) The perimeter of a square whose side length is 8 cm is  $\underline{\hspace{2cm}}$  (our sons abroad 2019)
- 7)  $50 + 400 + 6000 = \underline{\hspace{2cm}}$  (our sons abroad 2019)
- 8) The place value of 6 in 3146 is  $\underline{\hspace{2cm}}$
- 9)  $81 \div \underline{\hspace{2cm}} = 9$
- 10)  $8 \times 5 = (8 \times 3) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

### Choose the correct answer:

- 1) The number six thousand and five hundred is written in digits as  $\underline{\hspace{2cm}}$   
(6500, 6050, 6005) (our sons abroad 2018)

- 2) The perimeter of a square of side length 6 cm is \_\_\_\_ (12, 24, 20) (our sons abroad 2019)
- 3)  $50+500+9000=$  \_\_\_\_ ( 9005+ 9050+ 9550)
- 4)  $90+909+9000=$  \_\_\_\_ (9999+ 9099+ 9909) (our sons abroad 2019)
- 5) 8721, 8621, 8521, \_\_\_\_ (8421, 8821, 8321) (our sons abroad 2019)
- 6) 600 cm= \_\_\_\_ m (6000,6,60) (our sons abroad 2014)
- 7) A common multiple between 2 and 3 is \_\_\_\_ (10, 9, 24)
- 8)  $7 \times 8=$  \_\_\_\_ (56, 54, 62)
- 9) It is  \_\_\_\_ (4:35, 7:20, 4:30)
- 10)  $15 \div 3=$  \_\_\_\_ (2, 5, 3)

**Arrange the following numbers ascendingly:** (our sons abroad 2019)

9532, 7252, 7352, 9352, 5326

The arrangement: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**Asmaa wants to distribute 49 apples equally among 7 plates. How many apples will be in each plate?**

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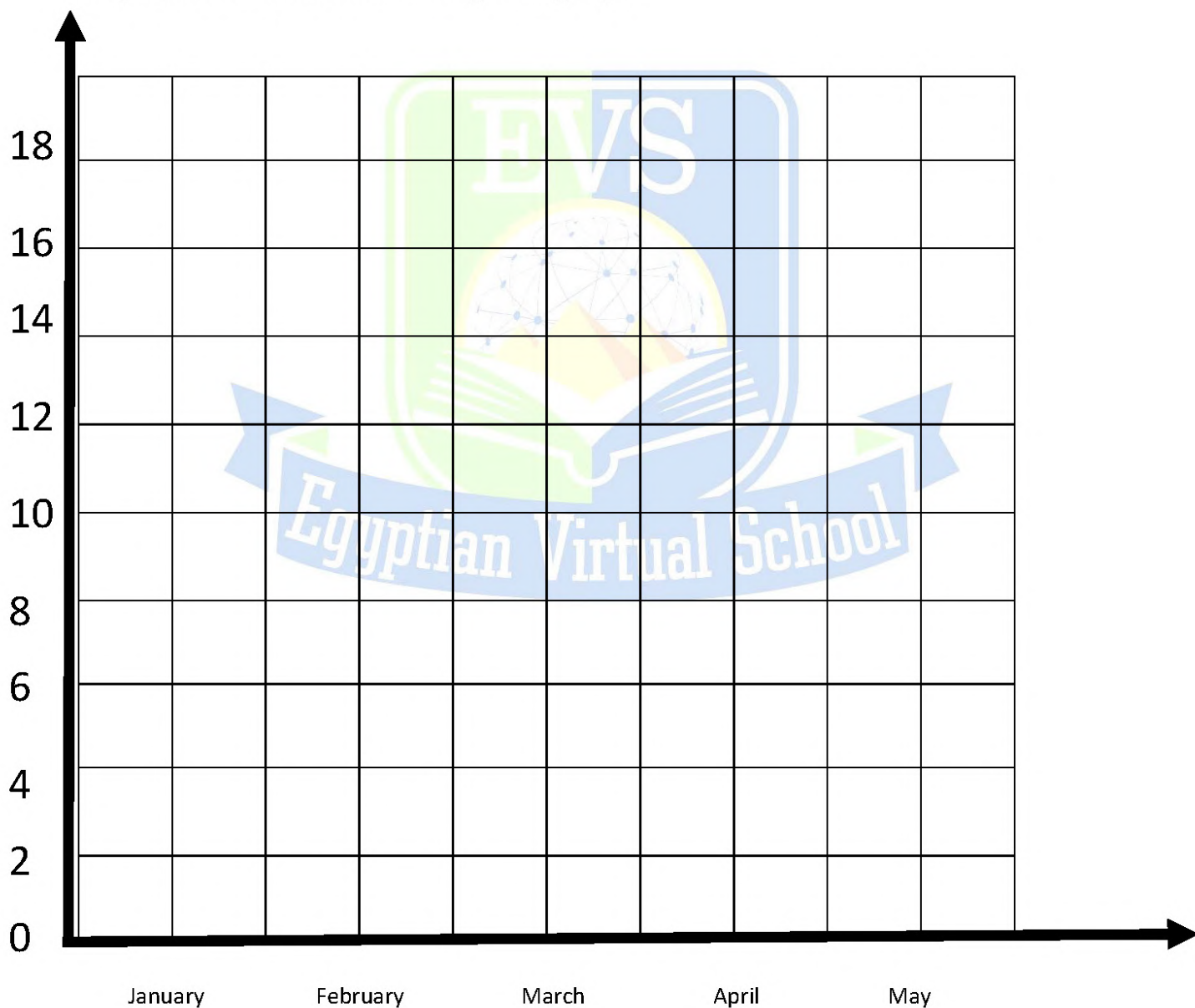
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**The following table shows amount of money which Maha saved during five consecutive months in L.E.**

The month	January	February	March	April	May
The amount in LE	4	12	6	16	14

**Represent these data using bar graph**



**Complete each of the following:**

- 1)  $25 \div \underline{\hspace{1cm}} = 5$
- 2) The value of the number 9 in 9785 is        (our sons abroad 2019)
- 3)  $700 + 30,000 + 5 + 80 = \underline{\hspace{1cm}}$
- 4) The minute hand will point to number        when 45 minutes have passed.
- 5) The value of the number 4 in 54931 is
- 6) The perimeter of a square whose side length is 5 cm is
- 7)  $2 \times \underline{\hspace{1cm}} = 4 + 4$
- 8) 2,5607 in the expanded form is        +        +        +
- 9) 500cm =        meter
- 10) 20, 24, 28,       ,        (complete in the same pattern)

**Choose the correct answer:**

- 1) 20,004        4,002 (<, =, >)
- 2)  $300 \times 4 = \underline{\hspace{1cm}}$  (120, 12, 1200)
- 3) 27 hundreds equals        (270, 2700, 27)
- 4) 35 tens equals        (3500, 350, 35) (our sons abroad 2019)



5) Which of the following is not a polygon?



6)  $6 \div 3 = \underline{\hspace{2cm}}$  (3, 18, 2)

7) 5 thousands =  $\underline{\hspace{2cm}}$  tens (50, 5000, 500)

8)  $\underline{\hspace{2cm}}$  is a common multiple of 5 and 10 (45, 60, 85)

9) Our math lesson started at 1:00 and finished at

Our math lesson took  $\underline{\hspace{2cm}}$  minutes (25, 30, 35)



10)  $5 \times 8 \underline{\hspace{2cm}} 4 \times 10$  ( $>$ ,  $<$ ,  $=$ )

Sameh has 153 marbles, Marwan has 223 marbles.

How many marbles do they have altogether?

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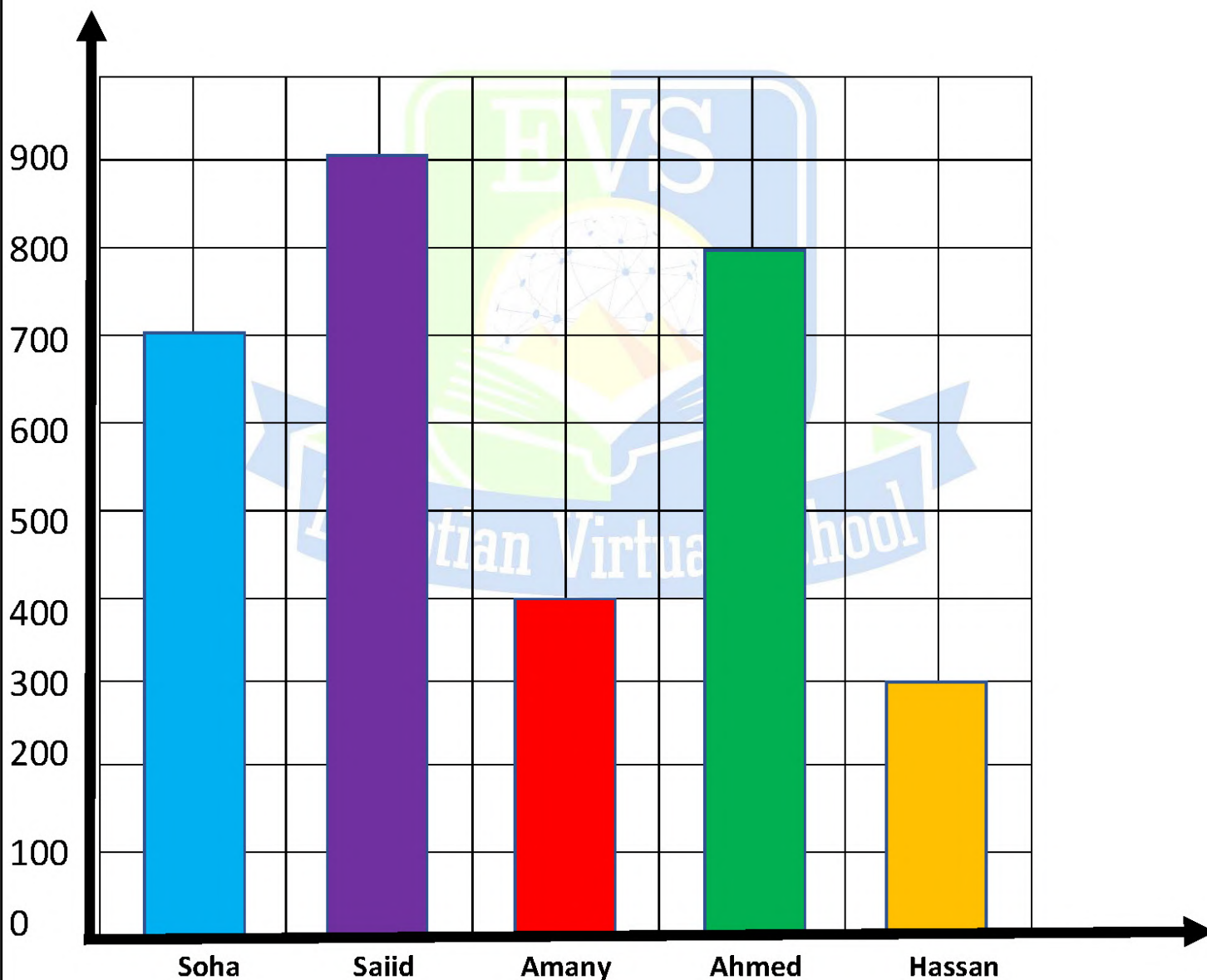
Write the numbers in order from least to greatest

325,261      631,124      631,122      325,260

The order is:  $\underline{\hspace{2cm}}$ ,  $\underline{\hspace{2cm}}$ ,  $\underline{\hspace{2cm}}$ ,  $\underline{\hspace{2cm}}$

**The following graph shows amount of money in LE saved by pupils.**  
**Complete the table from the graph below.** (Our sons abroad 2016)

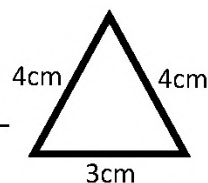
The month	Ahmed	Hassan	Saiid	Amany	Soha
The amount in LE	_____	_____	_____	_____	_____





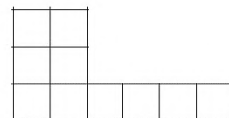
**Complete each of the following:**

- 1) There are \_\_\_\_\_ vertices in a parallelogram
- 2)  $8 \times 7 =$  \_\_\_\_\_
- 3)  $6,000 + 40,000 + 5 + 70 =$  \_\_\_\_\_
- 4) The minute hand will point to number \_\_\_\_\_ when 25 minutes have passed.
- 5) The place value of the number 8 in 58741 is \_\_\_\_\_
- 6) The perimeter of the following polygon is \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_
- 7)  $24 \div 4 =$  \_\_\_\_\_
- 8) 57,607 in the expanded form is \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_
- 9) 84 cm = \_\_\_\_\_ mm
- 10) The factors of 4 are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

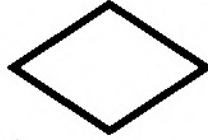


**Choose the correct answer:**

- 1)  $7 \times 8$  \_\_\_\_\_  $3 \times 10$  (<, =, >)
- 2)  $500 \times 3 =$  \_\_\_\_\_ (1500, 12, 1200)
- 3) The area of the following figure is \_\_\_\_\_ square units (10, 9, 7)
- 4) \_\_\_\_\_ is a multiple of 2 (25, 24, 23)



5) The following polygon is a \_\_\_\_\_



(Trapezium, Parallelogram, rhombus)

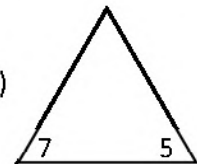
6) The following tally number = \_\_\_\_\_ (9, 8, 7)



7) 60 tens = \_\_\_\_\_ hundreds (60, 6, 600)

8) Three thousand two hundred fifty five in standard form is \_\_\_\_\_ (3522, 3255, 3552)

9) The missing number in the following family fact triangle is \_\_\_\_\_ (30, 35, 40)



10)  $2 \times 8$  \_\_\_\_\_  $3 \times 7$  ( $>$ ,  $<$ ,  $=$ )

**Create an array:**

4 rows of 2

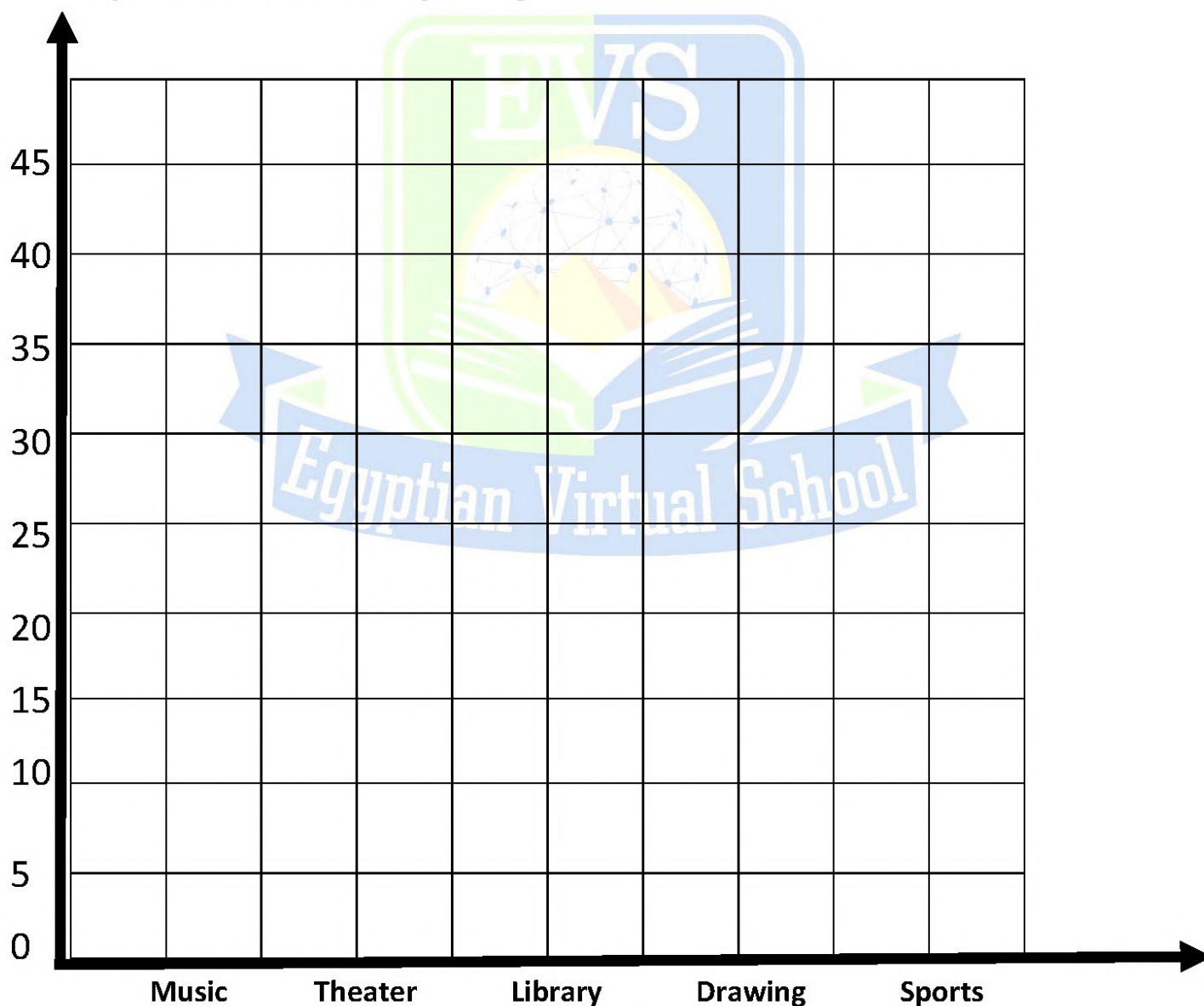
3 columns of 5



**The following table shows number of students enrolled in groups' activity in the third grade.** (Our sons abroad 2016)

Activity	Music	Theater	Library	Drawing	Sports
The number	15	20	25	15	30

Represent these data by using bar line.



**Complete each of the following:**

1)  $9 \times 6 = (9 \times 4) + (\_\_\_ \times \_\_\_)$

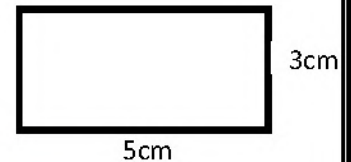
2)  $670\text{mm} = \_\_\_\_\_ \text{cm}$

3)  $3\text{Liters} = \_\_\_\_\_ \text{mL}$

4) 13, 17, 21,  $\_\_\_\_\_$ ,  $\_\_\_\_\_$  (complete in same pattern)

5) The value of the number 6 in 62,745 is  $\_\_\_\_\_$

6) The perimeter of the following polygon is  $\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_$



7)  $64 \div 8 = \_\_\_\_\_$

8) Fifty seven thousand six hundred and seven in standard form is  $\_\_\_\_\_$

9) The digital time which represents "quarter past 7" is  $\boxed{\text{ : }}$

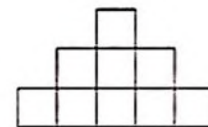
10) The factors of 6 are  $\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_$

**Choose the correct answer:**

1)  $8+8+8+8 = \_\_\_\_\_$  ( $8 \times 3$ ,  $8 \times 4$ ,  $8 \times 5$ )

2) 500 hundreds =  $\_\_\_\_\_$  thousands (500, 50, 5)

3) The area of the following figure is  $\_\_\_\_\_$  square units (10, 9, 7)



4)  $\_\_\_\_\_$  is a multiple of 5 (25, 24, 23)



5) The following polygon is a/an \_\_\_\_\_



(Octagon, Parallelogram, hexagon)

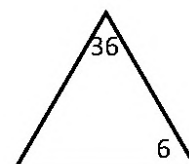
6) The following tally number = \_\_\_\_\_ (13, 14, 10)



7) 80 hundreds = \_\_\_\_\_ thousands (8, 80, 80)

8)  $60,000 + 800,000 + 5,000 + 300 + 90 + 2 =$  \_\_\_\_\_ (865293, 685392, 865392)

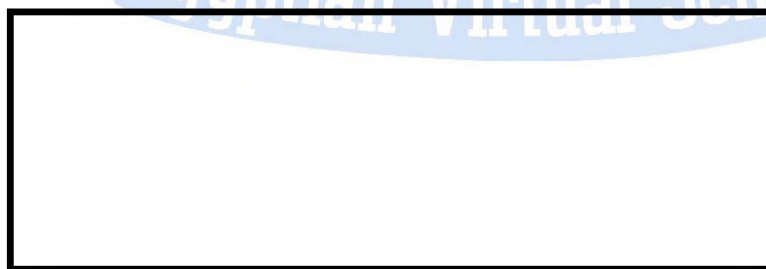
9) The missing number in the following family fact triangle is \_\_\_\_\_ (6, 5, 4)



10)  $99 \times 1$  \_\_\_\_\_  $99 + 1$  ( $>$ ,  $<$ ,  $=$ )

**Answer the following questions:**

a) Draw five groups of 4



b) Sarah saw some dogs in a park.


She counted 32 legs.

How many dogs did Sarah see?

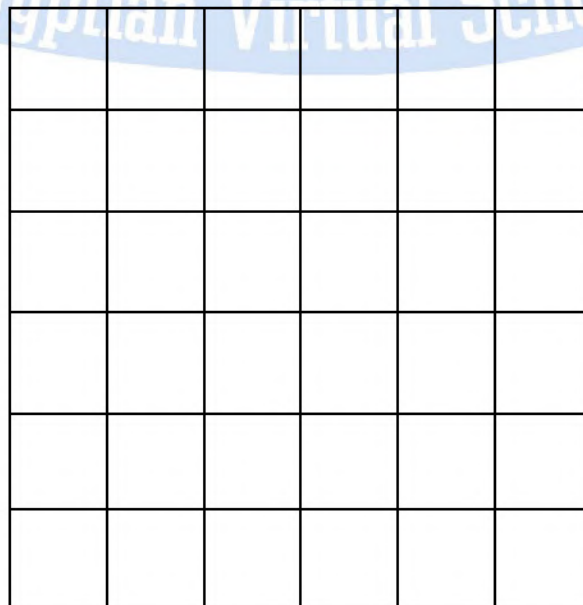
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c) Convert the same information from the tally table into a pictograph.

Favorite fruit		Favorite fruit	
Fruit	Tally		
Banana		Banana	
Mango		Mango	
Apple		Apple	
Grapes		Grapes	

Key  = 2 votes

d) Draw a rectangle on the grid of area 20 square units.  
And find its perimeter.





**Complete each of the following:**

1) The place value of the number 9 in 962,855 is \_\_\_\_\_

2) 87meters = \_\_\_\_\_ cm

3)  $6 \times 7 =$  \_\_\_\_\_

4) factors of 9 are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5)  $7 \times 5 = (7 \times 3) + (\_\_ \times \_\_)$

6) The perimeter of the following polygon is \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_



4cm

7) 4000 mL = \_\_\_\_\_ Liters

8) Sixty four thousand six hundred and four in standard form is \_\_\_\_\_

9) 7,667 in the expanded form is \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

10)  $7005 + 450 =$  \_\_\_\_\_

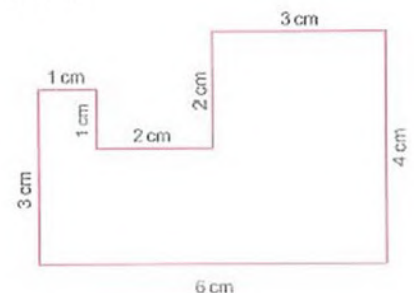
**Choose the correct answer:**

1) The perimeter of a square of side length 7 cm is \_\_\_\_\_ (12, 28, 14)

2)  $7 + 7 + 7 + 7 + 7 = 7 \times$  \_\_\_\_\_ (4, 5, 6)

3) The perimeter of the following figure is \_\_\_\_\_ cm

(22, 18, 20)



4)  $5 \times 3000 = \underline{\hspace{2cm}}$  (15000, 1500, 150)

5) The estimated length of the following fly is  $\underline{\hspace{2cm}}$  (10mm, 10cm, 10m)



6)  $2 \times 4 \underline{\hspace{1cm}} 81 \div 9$  ( $>$ ,  $<$ ,  $=$ )

7) Number of sides in rhombus  $\underline{\hspace{1cm}}$  Number of sides in parallelogram ( $>$ ,  $<$ ,  $=$ )

8)  $4546 - 289 = \underline{\hspace{2cm}}$  (4257, 4255, 4527)

9)  $3 \times 70 = \underline{\hspace{2cm}}$  (200, 210, 21)

10)  $7452 + 9541 = \underline{\hspace{2cm}}$  (16993, 16939, 19636)

**Complete the following tally table,**

**Then answer the questions:**

a) What is the number of children  
Who liked blue?  $\underline{\hspace{2cm}}$

b) Which color is liked the most?  $\underline{\hspace{2cm}}$

c) How many more children liked  
Blue than red?  $\underline{\hspace{2cm}}$


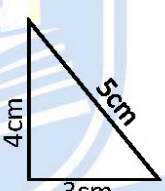
d) How many less children liked  
Black than yellow?  $\underline{\hspace{2cm}}$

Favorite color		
Color	Tally	Number
Red		$\underline{\hspace{2cm}}$
Blue		$\underline{\hspace{2cm}}$
Yellow		$\underline{\hspace{2cm}}$
Black		$\underline{\hspace{2cm}}$



**Complete each of the following:**

- 1) ☆☆☆○☆☆ \_\_\_\_\_ (complete in the same pattern)
- 2) The smallest number formed from the digits 9, 8, 0, 5 and 4 is \_\_\_\_\_
- 3) 665, 765, \_\_\_\_\_, \_\_\_\_\_ (complete in the same pattern) (our sons abroad 2019)
- 4) The digital time which represents "quarter to 9" is 

:
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- 5)  $8 \times 8 = (\text{ } \times \text{ }) + (8 \times 3)$
- 6) The following polygon is a/an 
- 7) Liter is a unit used to measure \_\_\_\_\_
- 8) The perimeter of the following triangle is  \_\_\_\_\_
- 9) 700,000 = \_\_\_\_\_ hundreds
- 10)  $34520 + 56012 = \text{_____}$  (our sons abroad 2019)

**Choose the correct answer:**

- 1) The perimeter of a square whose side length is 6 cm is \_\_\_\_\_ (25, 24, 23)  
(our sons abroad )
- 2)  $0 \times 8 = \text{_____}$  (0, 8, 80)
- 3)  $6 \times 100 = \text{_____}$  (600, 6, 60) (our sons abroad )

4)  $5 \times 3000 = \underline{\hspace{2cm}}$  (15000, 1500, 150)

5) Sarah went to a part at 7:00, the party finished at

The time period of the party is  $\underline{\hspace{2cm}}$  minutes. (35, 40, 50)



6)  $7 \times 7 \underline{\hspace{2cm}}$  1305-1256 ( $>$ ,  $<$ ,  $=$ )

7) Number of sides in octagon  $\underline{\hspace{2cm}}$  Number of sides in parallelogram ( $>$ ,  $<$ ,  $=$ )

8)  $9967-2936 = \underline{\hspace{2cm}}$  (7103, 7031, 7013) (our sons abroad)

9) 3 meters + 20 centimeters =  $\underline{\hspace{2cm}}$  cm (320, 300, 302) (our sons abroad)

10) The smallest 5 digit number is  $\underline{\hspace{2cm}}$  (99999, 10000, 1000) (our sons abroad)

### Use the line plot to answer the following questions:

a) How many children in the class are 10 years old?  $\underline{\hspace{2cm}}$

b) What age is the smallest number of children?  $\underline{\hspace{2cm}}$

c) How many more children are 11 Years than 13 years?  $\underline{\hspace{2cm}}$

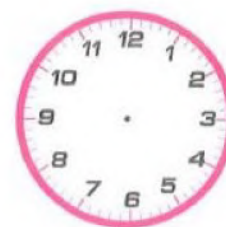
Ages of children in music class




**Key** Each x = 1 child

### Answer the following questions:

a) A T.V show ended at 9:00. It lasted for 40 minutes.  
What time did the T.V show start?  
Draw the clock hands.



b) Complete the following table:

Shape	Name	Number of sides	Number of vertices
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

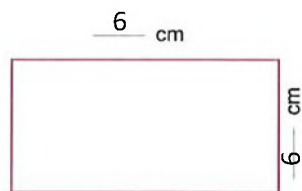
c) The other fact families of  $2 \times 8 = 16$  are

—  $\times$  — = —

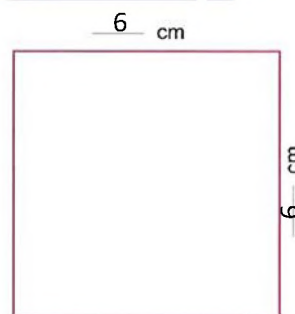
—  $\div$  — = —

—  $\div$  — = —

d) Find the area and the perimeter of each of the following:



- Area= \_\_\_\_\_ square centimeters
- Perimeter= \_\_\_\_\_ cm



- Area= \_\_\_\_\_ square centimeters
- Perimeter= \_\_\_\_\_ cm



**Complete each of the following:**

- 1)  $50 \div \underline{\hspace{1cm}} = 5$
- 2)  $705 + 550 = \underline{\hspace{1cm}}$
- 3)  $3,640 - 1,270 = \underline{\hspace{1cm}}$
- 4) The biggest number which is formed from the digits 7, 3, 0, 5 and 4 is  $\underline{\hspace{1cm}}$
- 5) How many vertices are in a rhombus?  $\underline{\hspace{1cm}}$
- 6) The perimeter of a square whose side length is 9 cm is  $\underline{\hspace{1cm}}$
- 7)  $20 + 400 + 9000 = \underline{\hspace{1cm}}$
- 8) The place value of 5 in 5146 is  $\underline{\hspace{1cm}}$
- 9)  $36 \div \underline{\hspace{1cm}} = 6$
- 10)  $9 \times 4 = (9 \times 2) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

**Choose the correct answer:**

- 1) The number six thousand and two hundred is written in digits as  $\underline{\hspace{1cm}}$   
(6200, 6020, 6002)
- 2) The perimeter of a square of side length 4 cm is  $\underline{\hspace{1cm}}$  (16, 24, 20)
- 3)  $50 + 700 + 9000 = \underline{\hspace{1cm}}$  ( 9007+ 9050+ 9750)
- 4)  $90 + 905 + 9000 = \underline{\hspace{1cm}}$  (9995+ 9095+ 9905)
- 5) 8921, 8821, 8721,  $\underline{\hspace{1cm}}$  (8421, 8621, 8321)

6)  $400 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$  (4000, 4, 40)

7) A common multiple between 2 and 3 is  $\underline{\hspace{2cm}}$  (10, 9, 12)

8)  $6 \times 8 = \underline{\hspace{2cm}}$  (56, 48, 62)

9) It is  $\underline{\hspace{2cm}}$  (4:35, 7:20, 4:20)



10)  $21 \div 3 = \underline{\hspace{2cm}}$  (7, 5, 3)

**Arrange the following numbers ascendingly:**

8532, 6252, 7352, 8352, 5326

The arrangement:  $\underline{\hspace{2cm}}, \underline{\hspace{2cm}}, \underline{\hspace{2cm}}, \underline{\hspace{2cm}}, \underline{\hspace{2cm}}$

**Hanah wants to distribute 56 candies equally among 7 plates. How many candies will be in each plate?**

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**Complete each of the following:**


1)  \_\_\_\_\_ (complete in the same pattern)

2) The smallest number formed from the digits 5, 8, 0, 3 and 4 is \_\_\_\_\_

3) 365, 465, \_\_\_\_\_, \_\_\_\_\_ (complete in the same pattern)

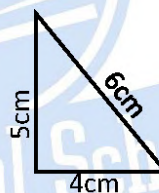
4) The digital time which represents "quarter past 7" is 

5)  $7 \times 8 = (\text{ } \times \text{ }) + (7 \times 2)$

6) The following polygon is a/an 

7) Meter is a unit used to measure \_\_\_\_\_

8) The perimeter of the following triangle is \_\_\_\_\_



9) 80,000 = \_\_\_\_\_ hundreds

10)  $74720 + 42012 = \text{_____}$

**Choose the correct answer:**

1) The perimeter of a square whose side length is 2 cm is \_\_\_\_\_ (8, 2, 4)

2)  $0 + 7 = \text{_____}$  (0, 7, 70)

3)  $8 \times 300 = \text{_____}$  (2400, 600, 240)

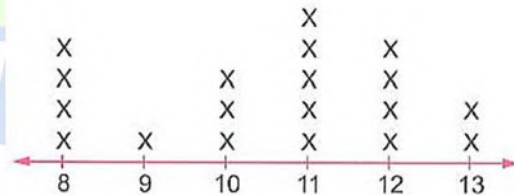


- 4)  $5 \times 5000 = \underline{\hspace{2cm}}$  (25000, 2500, 250)
- 5) Sarah went to a party at 8:00, the party finished at 8:40.  
The time period of the party is  $\underline{\hspace{2cm}}$  minutes. (35, 40, 50)
- 6)  $7 \times 4 \underline{\hspace{2cm}}$  1205-1156 ( $>$ ,  $<$ ,  $=$ )
- 7) Number of sides in octagon  $\underline{\hspace{2cm}}$  Number of sides in pentagon ( $>$ ,  $<$ ,  $=$ )
- 8)  $7965-2934 = \underline{\hspace{2cm}}$  (5103, 5031, 5013)
- 9) 4 meters + 30 centimeters =  $\underline{\hspace{2cm}}$  cm (430, 300, 302)
- 10) The smallest 4 digit number is  $\underline{\hspace{2cm}}$  (9999, 1000, 100)

**Use the line plot to answer the following questions:**

- d) How many children in the class are 10 years old?  $\underline{\hspace{2cm}}$
- e) What age is the smallest number of children?  $\underline{\hspace{2cm}}$
- f) How many more children are 11 Years than 8 years?  $\underline{\hspace{2cm}}$

Ages of children in art class



**Key**

Each x = 1 child

**Answer the following questions:**

- a) A T.V show ended at 6:00. It lasted for 50 minutes.  
What time did the T.V show start?  
Draw the clock hands.



b) Complete the following table:

Shape	Name	Number of sides	Number of vertices
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

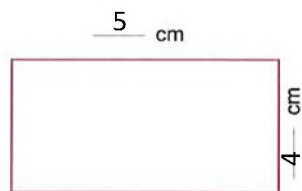
c) The other fact families of  $4 \times 6 = 24$  are

—  $\times$  — = —

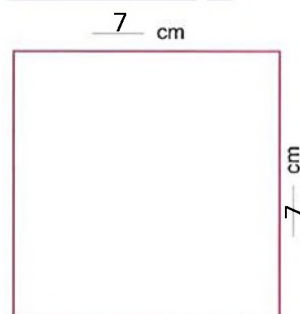
—  $\div$  — = —

—  $\div$  — = —

d) Find the area and the perimeter of each of the following:

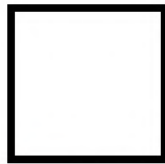


- Area= \_\_\_\_\_ square centimeters
- Perimeter= \_\_\_\_\_ cm



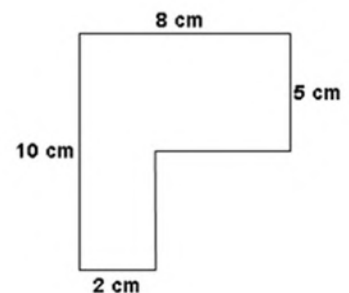
- Area= \_\_\_\_\_ square centimeters
- Perimeter= \_\_\_\_\_ cm

**Complete each of the following:**

- 1) The place value of the number 6 in 962,855 is \_\_\_\_\_
- 2) 77meters = \_\_\_\_\_ cm
- 3)  $4 \times 7 =$  \_\_\_\_\_
- 4) factors of 12 are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- 5)  $4 \times 5 = (4 \times 3) + (\text{ } \times \text{ })$
- 6) The perimeter of the following polygon is \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_  6cm
- 7) 7000 mL = \_\_\_\_\_ Liters
- 8) Twenty four thousand six hundred and four in standard form is \_\_\_\_\_
- 9) 7,558 in the expanded form is \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_
- 10)  $8002 + 450 =$  \_\_\_\_\_

**Choose the correct answer:**

- 1) The perimeter of a square of side length 5 cm is \_\_\_\_\_ (20, 28, 14)
- 2)  $7 + 7 + 7 + 7 + 7 + 7 = 7 \times$  \_\_\_\_\_ (4, 5, 6)
- 3) The perimeter of the following figure is \_\_\_\_\_ cm  
(22, 18, 25)





4)  $8 \times 4000 = \underline{\hspace{2cm}}$  (32000, 3200, 320)

5) The estimated length of the following ant is  $\underline{\hspace{2cm}}$  (12mm, 12cm, 12m)



6)  $5 \times 4 \underline{\hspace{1cm}} 2 \times 9$  ( $>$ ,  $<$ ,  $=$ )

7) Number of vertices in rhombus  $\underline{\hspace{2cm}}$  Number of sides in parallelogram ( $>$ ,  $<$ ,  $=$ )

8)  $5646 - 399 = \underline{\hspace{2cm}}$  (4257, 4255, 5247)

9)  $5 \times 70 = \underline{\hspace{2cm}}$  (3500, 350, 35)

10)  $7463 + 9572 = \underline{\hspace{2cm}}$  (17305, 17053, 17035)

**Complete the following tally table,**

**Then answer the questions:**

e) What is the number of children  
Who liked cat?  $\underline{\hspace{2cm}}$

f) Which pet is liked the most?  $\underline{\hspace{2cm}}$

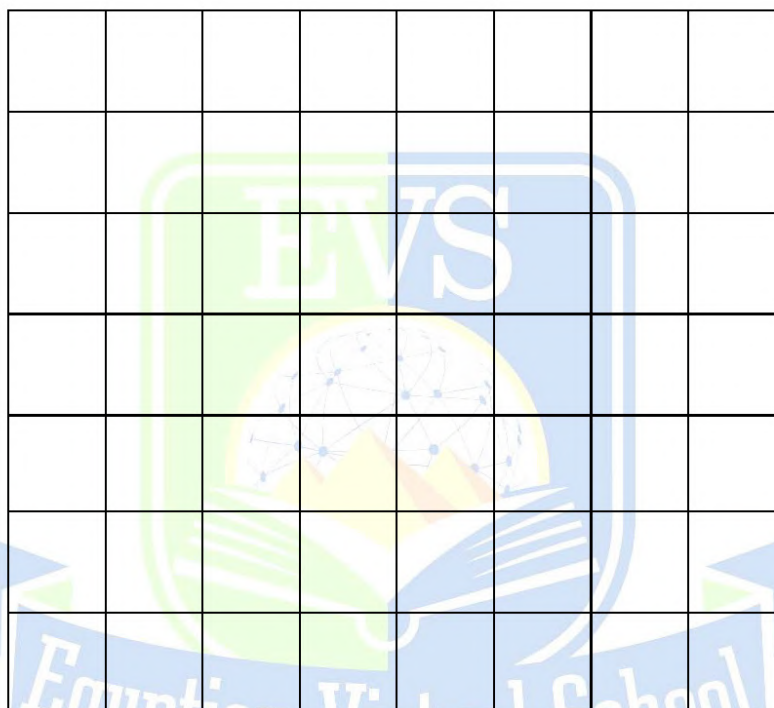
g) How many more children liked  
Dogs than turtles?  $\underline{\hspace{2cm}}$

h) How many less children liked  
fish than cat?  $\underline{\hspace{2cm}}$

Favorite pet		
Color	Tally	Number
Turtle		$\underline{\hspace{2cm}}$
Dog		$\underline{\hspace{2cm}}$
Cat		$\underline{\hspace{2cm}}$
Fish		$\underline{\hspace{2cm}}$

**Answer the following questions:**

- a) Draw a rectangle on the grid of area 24 square units.  
And find its perimeter.



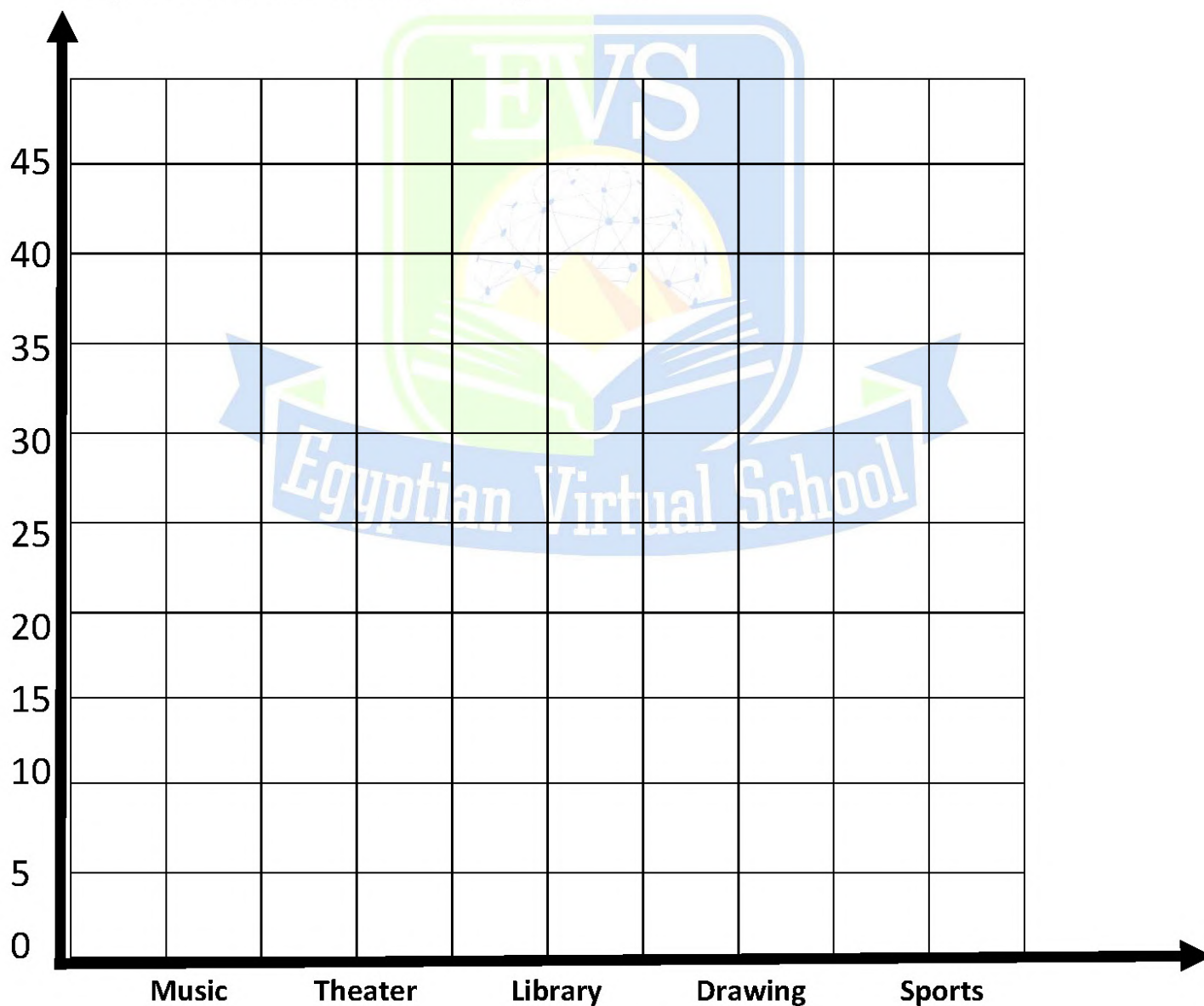
- b) Draw three groups of 5. Then write the multiplication sentence.



The following table shows number of students enrolled in groups' activity in the third grade.

Activity	Music	Theater	Library	Drawing	Sports
The number	10	25	40	15	45

Represent these data by using bar line.





**Complete each of the following:**

11)  $60 \div \underline{\hspace{2cm}} = 5$

12) The place value of the number 8 in 5785 is  $\underline{\hspace{2cm}}$

13)  $600 + 40,000 + 5 + 40 = \underline{\hspace{2cm}}$

14) The minute hand will point to number  $\underline{\hspace{2cm}}$  when 25 minutes have passed.

15) The value of the number 2 in 2931 is  $\underline{\hspace{2cm}}$

16) The perimeter of a square whose side length is 12 cm is  $\underline{\hspace{2cm}}$

17)  $2 \times \underline{\hspace{2cm}} = 5 + 5$

18) 53,208 in the expanded form is  $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

19)  $600\text{cm} = \underline{\hspace{2cm}} \text{ meter}$

20) 30, 34, 38,  $\underline{\hspace{2cm}}$ ,  $\underline{\hspace{2cm}}$  (complete in the same pattern)

**Choose the correct answer:**

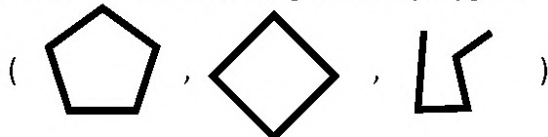
11)  $30,002 \underline{\hspace{1cm}} 3,002$  (<, =, >)

12)  $200 \times 4 = \underline{\hspace{2cm}}$  (80, 8, 800)

13) 28 hundreds equals  $\underline{\hspace{2cm}}$  (280, 2800, 28)

14) 78 tens equals  $\underline{\hspace{2cm}}$  (7800, 780, 78)

15) Which of the following is not a polygon?



16)  $9 \div 3 =$  \_\_\_\_ (3, 18, 2)

17) 9 thousands = \_\_\_\_ tens (90, 9000, 900)

18) \_\_\_\_ is a common multiple of 5 and 10 (45, 80, 85)

19) Our math lesson started at 5:00 and finished at 5:45

Our math lesson took \_\_\_\_ minutes (45, 40, 35)

20)  $5 \times 8$  \_\_\_\_  $6 \times 10$  (>, <, =)

**Said has 258 marbles, Medhat has 124 marbles.**

**How many marbles do they have altogether?**

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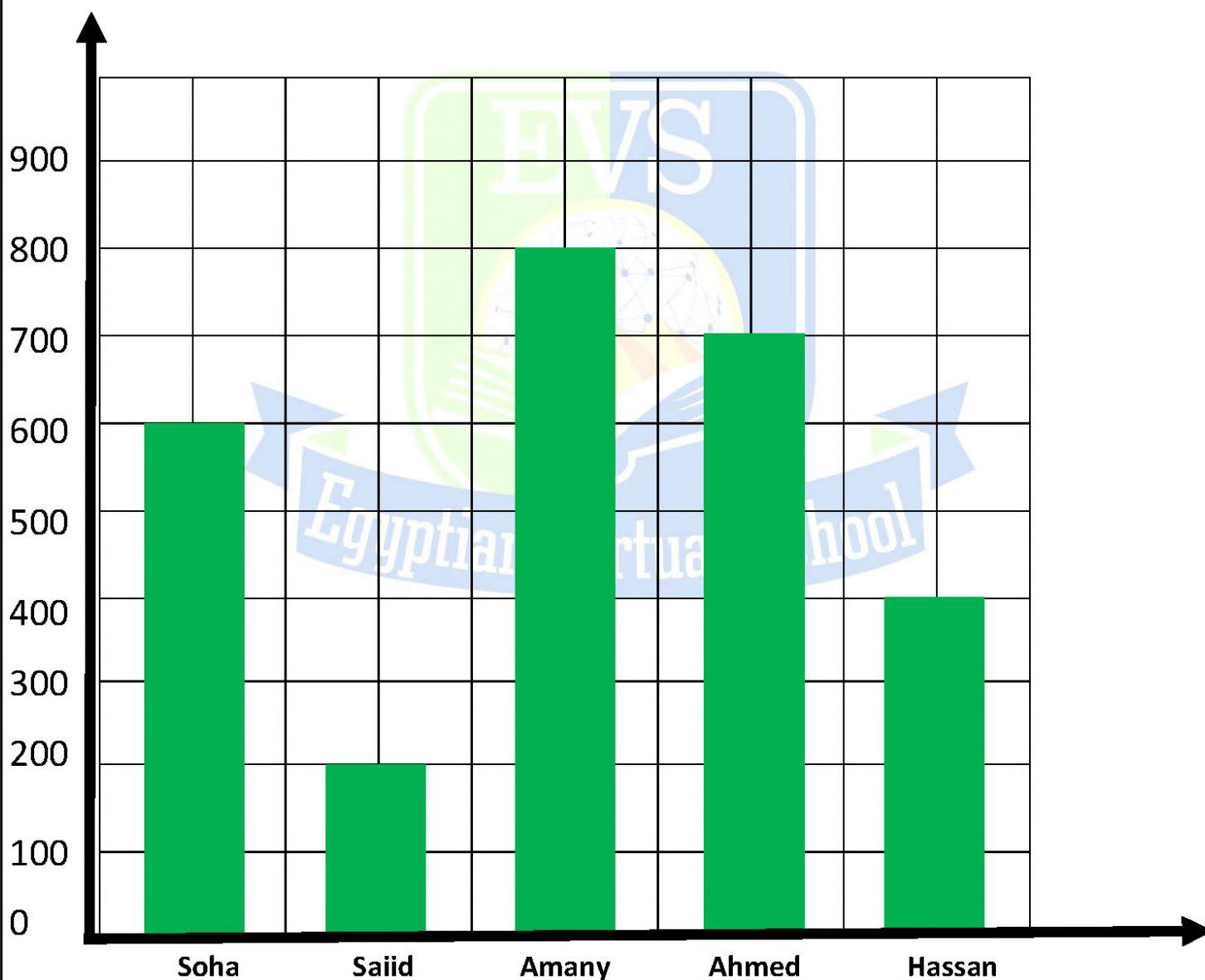
**Write the numbers in order from least to greatest**

425,261      641,124      631,122      325,260

The order is: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**The following graph shows amount of money in LE saved by pupils.**  
**Complete the table from the graph below.**

The month	Ahmed	Hassan	Saiid	Amany	Soha
The amount in LE	_____	_____	_____	_____	_____





**Complete each of the following:**

11)  $10 \times 6 = (\_\_\_ \times \_\_\_) + (10 \times 4)$

12)  $580\text{mm} = \_\_\_\_\_\_ \text{cm}$

13)  $10\text{Liters} = \_\_\_\_\_\_ \text{mL}$

14) 14, 17, 20, \_\_\_\_\_, \_\_\_\_\_ (complete in same pattern)

15) The value of the number 8 in 68,775 is \_\_\_\_\_

16) The perimeter of the following polygon is \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_



6cm

8cm

17)  $49 \div 7 = \_\_\_\_\_\_$

18) Fifty seven thousand eight hundred and twenty in standard form is \_\_\_\_\_

19) The digital time which represents "quarter to 4" is \_\_\_\_\_

:

20) The factors of 7 are \_\_\_\_\_, \_\_\_\_\_

**Choose the correct answer:**

11)  $5+5+5+5+5 = \_\_\_\_\_\_$  ( $5 \times 3$ ,  $5 \times 5$ ,  $8 \times 5$ )

12) 900 hundreds = \_\_\_\_\_ thousands (900, 90, 9)

13) The area of the following figure is \_\_\_\_\_ square units (6, 9, 7)



14) \_\_\_\_\_ is a multiple of 5 (55, 24, 23)

15) The following polygon is a/an \_\_\_\_\_



(Octagon, Parallelogram, hexagon)

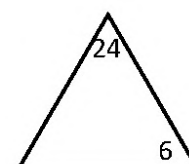
16) The following tally number = \_\_\_\_\_ (13, 12, 10)



17) 70 hundreds = \_\_\_\_\_ thousands (7, 70, 70)

18)  $50,000 + 800,000 + 5,000 + 500 + 90 + 2 =$  \_\_\_\_\_ (855592, 855295, 855392)

19) The missing number in the following family fact triangle is \_\_\_\_\_ (6, 5, 4)



20)  $88 \times 1$  \_\_\_\_\_  $88 + 1$  ( $>$ ,  $<$ ,  $=$ )

**Answer the following questions:**

- a) Heidi saw some dogs in a park.  
She counted 16 legs.  
How many dogs did Heidi see?

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